Index of Claims

| Appl | ication | /Contro | ı | No. |
|------|---------|---------|---|-----|

Applicant(s)/Patent under Reexamination

10/702,228

Examiner

SLATER ET AL. Art Unit

Nancy T. Vogel

1636

| ~ | Allowed  |
|---|----------|
| J | Rejected |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cle      |          | Date |   |                   |  |                |  | 1  | Cla  | Data   |          |     |       |          |                |          |  |          |  |          |   |
|----------|----------|------|---|-------------------|--|----------------|--|--|--|--|----------|-----|-------|----------|----------------|----------|--|----------|--|----------|---|
| Ula      | im       | ١,   | _ | г                 | _  | '              | Jate   | <u> </u>   |  | -  |          |     | Cla   |          | Date           |          |  |          |  |          | т |
| Final    | Original | 6    | 5 |                   |  |                |  |  |  |  |          |     | Final | Original | 200            |          |  |          |  |          |   |
|          | 1        | Ė    | _ | _                 |  | <u> </u>       | <del>                                     </del> | -  | <del>                                     </del> |  | $\vdash$ |     |       | 51       | 4              | _        | _  | $\vdash$ | $\vdash$   | H        | t |
| -        | 2        | 1    | ì |                   |  |                |  |  |  |  |          |     |       | 52       | 1              | Г        |  | $\vdash$ |  |          | t |
|          | 3        | П    |   |                   |  |                |  |  |  |  |          |     |       | 53       |                | Г        |  |          |  |          | t |
|          | 4        |      |   |                   |  |                |  |  |  |  |          |     |       | 54       |                |          |  |          |  |          | Ι |
|          | 5        | Γ    |   |                   |  |                |  |  |  |  |          |     |       | 55       |                |          |  |          |  |          | I |
|          | 6        | L    | L | L                 | L_   |                | _  | _  | _  |  | L        |     |       | 56       | Ш              | _        | L  | _        | _  | L        | l |
|          | 7        | L    | ļ | L                 | L  | _              |  |  |  |  |          |     |       | 57       | 1              | _        |  |          | <u> </u>   | L        | ļ |
|          | 8        | L    | 1 | ļ                 | ļ  | <u> </u>       | _  |  | <u> </u>   |  |          |     |       | 58       | L.             | _        | <u> </u>   | _        | _  | <u> </u> | ļ |
|          | 9        | Ļ    | 4 | <u> </u>          | <del> </del>                                     | <u> </u>       | <u> </u>   |  |  | _  | _        |     |       | 59       | 1              | <u> </u> |  | _        | <u> </u>   | <u> </u> | ļ |
|          | 10       | ╀    | + | <u> </u>          | -  | ├-             | ├-   | _  | -  | $\vdash$   | ⊢        |     |       | 60<br>61 | -              | ⊢        | ├-   | -        | ├  |          | ╀ |
|          | 11<br>12 | ╀    | + | ⊢                 | H  | -              | -  | -  | -  | -  | -        |     |       | 62       | Н              | ├        | <del>                                     </del> | ⊢        | -  |          | ł |
|          | 13       | ╁    | t | <del> </del>      | $\vdash$   | $\vdash$       | ├  | $\vdash$   | _  | $\vdash$   |          |     |       | 63       | -              | $\vdash$ | $\vdash$   | -        | $\vdash$   | -        | ł |
|          | 14       | ╁    | t |                   | -  | ┢              | -  | -  | _  | $\vdash$   | $\vdash$ |     |       | 64       | <del>  -</del> | ⊢        | $\vdash$   | $\vdash$ | ┝  | ┢        | t |
|          | 15       | t    | t | ┝                 | ┢  | ├─             | ┢  | ┢  |  | -  | ┢        |     |       | 65       | 1              | $\vdash$ | ┢  |          | $\vdash$   |          | t |
|          | 16       | t    | t | $\vdash$          | $\vdash$   | 一              | ┢  | $\vdash$   | -  | ┢  |          |     |       | 66       | t              | 1        | $\vdash$   |          | -  | $\vdash$ | t |
|          | 17       | t    | † | _                 | $\vdash$   | Г              | T  | $\vdash$   |  |  | $\vdash$ | 1 1 |       | 67       | -              | Н        | $\vdash$   |          | _  |          | t |
|          | 18       | T    | 1 | _                 | <u> </u>   | $\vdash$       | T  |  |  |  |          |     |       | 68       | Ė              | Г        |  |          |  |          | t |
|          | 19       | T    | 1 |                   |  |                |  |  |  |  |          |     |       | 69       |                |          |  |          |  |          | t |
|          | 20       | Τ    | 1 |                   |  | Γ              |  |  |  |  |          |     |       | 70       |                | П        | Г  | Г        |  |          | T |
|          | 21       | Ι    | 1 |                   |  |                |  |  |  |  |          |     |       | 71       |                |          |  |          |  |          | Ι |
|          | 22       | L    | _ |                   |  |                |  |  |  |  |          |     |       | 72       |                |          |  |          |  |          | I |
|          | 23       | L    | 1 |                   |  | <u>L</u>       |  | <u> </u>   |  |  | <u> </u> |     |       | 73       |                | 乚        | <u> </u>   | <u> </u> | <u> </u>   | L        | L |
|          | 24       | L    | 1 | L                 | _  |                |  |  | ļ  |  |          |     |       | 74       |                | _        | _  | <u> </u> | _  | L        | ļ |
|          | 25       | L    | 1 | <u> </u>          | <u> </u>   | ļ              | <u> </u>   | ļ  |  |  | <u> </u> |     |       | 75       | <u> </u>       | ┞        | _  | <u> </u> | <u> </u>   | ⊢        | ļ |
|          | 26       | L    | ╀ |                   |  | ⊢              | _  | _  | _  |  | _        |     |       | 76       | _              | _        | _  | _        | _  | _        | ł |
|          | 27       | ╀    | ╀ | -                 |  | <del> </del> — | ⊢  | -  | $\vdash$   |  | $\vdash$ |     |       | 77       |                | ⊢        | $\vdash$   |          | $\vdash$   | $\vdash$ | ╀ |
|          | 28<br>29 | ┝    | ╀ |                   |  | ├-             | -  | ├—   | $\vdash$   |  | _        |     |       | 78<br>79 | $\vdash$       | ⊢        | $\vdash$   | $\vdash$ | $\vdash$   | -        | ł |
|          | 30       | ╁    | t | ├─                | ┢╾   |                | -  |  | -  | _  | -        |     |       | 80       | ┢              | ┢        | $\vdash$   | -        | -  | -        | ł |
|          | 31       | t    | t |                   | $\vdash$   | ┢              | -  |  |  |  | -        |     |       | 81       | <u> </u>       | $\vdash$ | $\vdash$   |          | $\vdash$   |          | t |
|          | 32       | t    | t | H                 | <del>                                     </del> | ┢              | 1  |  | <del>                                     </del> | -  |          |     |       | 82       |                |          | $\vdash$   |          |  |          | t |
|          | 33       | T    | t | $\vdash$          |  | _              | 1  |  | -  |  | T        |     |       | 83       |                | t        |  |          |  |          | t |
|          | 34       | Τ    | Г |                   |  |                |  |  |  |  |          |     |       | 84       |                |          | Г  |          |  |          | t |
|          | 35       |      |   |                   |  |                |  |  |  |  |          |     |       | 85       |                |          |  |          |  |          | Ι |
|          | 36       | Ĺ    | Ĺ |                   |  |                |  |  |  |  |          |     |       | 86       |                |          |  |          |  | 匚        | ſ |
|          | 37       | L    | L |                   |  | L.             |  | <u> </u>   |  |  | L        |     |       | 87       |                | <u> </u> |  | _        |  | _        | Ĺ |
|          | 38       | L    | L | $ldsymbol{f eta}$ | <u> </u>   | <u> </u>       | <u> </u>   | ┞  | <u> </u>   |  | _        |     |       | 88       | <u> </u>       | _        |  | <u> </u> |  | <u> </u> | ļ |
|          | 39       | L    | L | <u> </u>          | <u> </u>   | <u> </u>       | _  | <u> </u>   | <u> </u>   |  | L        |     |       | 89       | <u> </u>       | _        | _  | _        |  | <u> </u> | Ļ |
| <u> </u> | 40       | 1    | H | ├                 | <del> </del>                                     | -              | <u> </u>   |  | <u> </u>   | H  | $\vdash$ |     |       | 90       | -              | <u> </u> |  | -        | -  | $\vdash$ | ł |
|          | 41       | ┞    | ┞ | ⊢                 | ├-   | $\vdash$       | ⊢  | ┢  | ⊢  | $\vdash$   | ⊢        |     |       | 91       | $\vdash$       |          | <del> </del>                                     | -        | -  | ├—       | ╀ |
|          | 42<br>43 | ╀    | 1 | <del> </del>      | -  | $\vdash$       | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ |     |       | 92<br>93 | ⊢              | $\vdash$ | -  |          | ├  | $\vdash$ | ł |
| $\vdash$ | 44       | ╁    | + | ┝                 | $\vdash$   | $\vdash$       | $\vdash$   | ├  | $\vdash$   | $\vdash$   | $\vdash$ |     |       | 94       | $\vdash$       | -        | $\vdash$   | ⊢−       | -  | $\vdash$ | ł |
| $\vdash$ | 45       | ╁    | t | $\vdash$          | <del> </del>                                     | $\vdash$       | ┢  | ┢  | $\vdash$   | $\vdash$   | $\vdash$ |     |       | 95       | $\vdash$       | 1        | -  | $\vdash$ | <del>                                     </del> | <u> </u> | t |
| $\vdash$ | 46       | H    | H | $\vdash$          | ┢  | $\vdash$       | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ |     |       | 96       | $\vdash$       | $\vdash$ | _  | $\vdash$ | $\vdash$   | $\vdash$ | t |
| <b></b>  | 47       | t    | t | 一                 | $\vdash$   | 一              | $\vdash$   | H  | _  | <del>                                     </del> | $\vdash$ |     |       | 97       | Н              | Н        | $\vdash$   | t        | $\vdash$   | $\vdash$ | t |
|          | 48       | t    | H |                   | Т  | Т              | <del>                                     </del> | <del>                                     </del> | _  | Н  | $\vdash$ |     |       | 98       |                | Т        | T  | T        | Т  | Г        | t |
|          | 49       | t    | 7 | $\vdash$          | <u> </u>   | 一              | ⇈  | $\vdash$   | $\vdash$   | Т  |          |     |       | 99       | Г              | $\vdash$ | T  |          | Г  | Г        | t |
|          | 50       | -    |   | $\vdash$          | Т  | Г              | Г  | Г  |  | Т  | Г        |     |       | 100      |                | Г        | Г  | Г        | Г  | Г        | t |
|          |          | -    |   |                   |  | _              | _  |  |  |  |          |     |       | تتن      |                | _        |  |          |  |          | - |

|          |                      | 0           | Г            |              |          |  |          |  |          |          |
|----------|----------------------|-------------|--------------|--------------|----------|--|----------|--|----------|----------|
| l _      | Original             | راع<br>مالا |              | l            |          | Ì  |          |  |          |          |
| Final    | <del> </del>         | 1           |              | l            |          |  |          |  |          |          |
| i I      | l Ĕ                  |             |              | l            |          |  |          |  |          |          |
|          | ١ ٠                  | 16          |              | l            |          |  |          |  |          |          |
|          | 51                   | 4           | _            | $\vdash$     |          | $\vdash$   | Н        | _  |          | _        |
| $\vdash$ | 51                   | ÷           | $\vdash$     | ⊢            | Н        | $\vdash$   | $\vdash$ |  |          |          |
| -        | 52                   | Ш           | L            | <u> </u>     |          |  |          |  |          |          |
|          | 52<br>53             | $\perp$     | <u> </u>     |              |          |  |          |  |          |          |
| 1        | 54                   |             | 1            |              |          |  |          |  |          |          |
|          | 55                   | П           |              |              |          |  |          |  |          |          |
|          | 56                   | T           |              |              |          |  |          |  |          |          |
| _        | 57                   | +           | $\vdash$     | ┢╾           |          | $\vdash$   | -        | $\vdash$   | -        |          |
| -        | 57                   | H           | H            | ⊢            |          |  |          | $\vdash$   |          |          |
|          | 58<br>59             | 4           | <u> </u>     | <u> </u>     |          |  |          |  |          |          |
|          | 59                   | 1           | _            | L            |          | L  |          |  |          |          |
|          | 60                   |             |              |              |          |  |          |  |          |          |
|          | 61                   |             |              |              |          |  |          |  |          |          |
|          | 62                   | Т           |              |              |          |  |          |  |          |          |
|          | 63                   | 1           | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | _        |  | _        | _        |
| -        | 64                   | H-          | $\vdash$     | $\vdash$     | -        | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ |          |
| -        | 63<br>64<br>65       | H-          | <u> </u>     | <u> </u>     | Ш        | -  | $\vdash$ | $\vdash$   | <u> </u> | <u> </u> |
|          | 65                   | <b>II</b> _ | <u> </u>     | <u> </u>     | Щ        | <u> </u>   | <u> </u> | _  |          |          |
|          | 66                   | 1           |              | L            |          |  |          |  | _        |          |
|          | 66<br>67             | <b> -</b>   |              |              |          |  |          |  |          |          |
|          | 68                   |             |              | П            |          |  |          |  |          |          |
|          | 69                   |             |              | -            |          | $\vdash$   |          |  |          | -        |
| -        | 69<br>70<br>71       |             | $\vdash$     | $\vdash$     |          | $\vdash$   | $\vdash$ |  |          |          |
| -        | 70                   |             | $\vdash$     | ⊢            |          | _  | <u> </u> | H  | _        | _        |
|          | /1                   |             | <u> </u>     | <u> </u>     |          | <u> </u>   | _        | _  | _        | _        |
|          | 72<br>73<br>74<br>75 |             | L            | _            |          |  |          | Ш  |          |          |
|          | 73                   |             |              |              |          |  |          |  |          |          |
|          | 74                   |             |              |              |          |  |          |  |          |          |
|          | 75                   |             |              |              |          |  |          |  |          |          |
|          | 76                   | $\vdash$    |              | Г            |          | $\vdash$   | $\vdash$ | $\vdash$   | _        | _        |
|          | 77                   |             | <del> </del> | $\vdash$     | -        | <u> </u>   | $\vdash$ | -  | -        | _        |
| -        | 77<br>78             | $\vdash$    | $\vdash$     | $\vdash$     | Н        | $\vdash$   | $\vdash$ | H  | -        |          |
|          | 70                   | H           | _            | ⊢            | Н        | <u> </u>   |          | <u> </u>   | _        |          |
|          | 79                   | _           | _            | _            |          | _  | _        | _  |          |          |
|          | 80                   |             |              |              |          |  |          |  |          |          |
|          | 81                   |             |              |              |          |  |          |  |          |          |
|          | 82<br>83             |             |              |              |          |  |          |  |          |          |
|          | 83                   |             |              |              |          |  |          |  |          |          |
|          | 84                   |             | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$   | Н        | <u> </u> |
| $\vdash$ | 05                   | Н           | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | Н  | Н        | -        |
| <b>—</b> | 85                   |             | $\vdash$     | $\vdash$     | $\vdash$ | -  | ├        |  | <u> </u> | <u> </u> |
|          | 86                   | _           | _            | <u> </u>     | _        | <u> </u>   |          | <u> </u>   |          | <u> </u> |
|          | 87                   |             |              | _            |          | L_   |          | $ldsymbol{ld}}}}}}}$ |          |          |
|          | 88                   |             | L            |              | L        | L  | L        | L  | $L^{-1}$ | L        |
|          | 89                   |             |              |              |          |  |          |  |          |          |
|          | 90                   |             |              |              |          | <u> </u>   |          |  | П        | $\Box$   |
|          | 91                   | -           | $\vdash$     | _            |          | <del>                                     </del> | $\vdash$ | Н  | Н        | 1        |
|          | 92                   | $\vdash$    |              | $\vdash$     | $\vdash$ |  | $\vdash$ | ├-   |          | $\vdash$ |
|          |                      | $\vdash$    | <del> </del> | <del> </del> |          | <u> </u>   | -        | <del> </del>   | -        | -        |
|          | 93                   | _           | <u> </u>     | <b>—</b>     | $\vdash$ | <u> </u>   | <u> </u> | L  | L        | _        |
|          | 94                   |             | _            |              |          | <u> </u>   | L_       | oxdot  |          | L        |
|          | 95                   | L           | L            | L            | L        | L  | L        | L  |          | L        |
|          | 96                   |             |              |              |          |  |          |  |          |          |
|          | 97                   |             |              |              | П        |  |          |  | П        |          |
| <b>—</b> | 98                   | $\vdash$    | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$   | Н        | $\vdash$ |
|          |                      | $\vdash$    | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ | -        |
| <u> </u> | 99                   | _           | <u> </u>     | <u> </u>     |          | <u> </u>   | <u> </u> | <u> </u>   | <u> </u> | <u> </u> |
| 1        | 100                  | ı           | ı            | l            | 1        | 1  | 1        |  |          | 1        |

|       |  | 5        |          |          |          |          |              |   |          |          |  |  |
|-------|--|----------|----------|----------|----------|----------|--------------|---|----------|----------|--|--|
| Cla   | aim  | Date     |          |          |          |          |              |   |          |          |  |  |
| Final | Original   |          |          |          |          |          |              |   |          |          |  |  |
| -     | 101  |          |          |          |          |          |              |   |          |          |  |  |
|       | 102  |          |          |          |          |          |              |   |          |          |  |  |
|       | 103  |          | L.,      |          |          | <u> </u> |              |   |          | Ш        |  |  |
|       | 104  |          |          |          |          | _        | _            |   |          |          |  |  |
|       | 103<br>104<br>105<br>106   |          |          |          |          | _        |              |   |          | Н        |  |  |
|       | 107  | -        |          |          |          |          | -            | - | -        |          |  |  |
|       | 108  |          |          | _        |          | -        | -            |   | _        | $\vdash$ |  |  |
|       | 108<br>109   |          |          |          | _        | $\vdash$ |              |   |          |          |  |  |
|       | 110  |          |          |          |          |          |              |   |          | П        |  |  |
|       | 111<br>112<br>113  |          |          |          |          |          |              |   |          |          |  |  |
|       | 112  |          |          |          |          |          |              |   |          | Ш        |  |  |
|       | 113  |          |          |          |          |          |              |   |          |          |  |  |
|       | 114<br>115   | _        |          | _        | $\vdash$ | L        |              |   | _        |          |  |  |
|       | 116  | _        |          | _        | $\vdash$ | $\vdash$ |              | _ | -        | -        |  |  |
|       | 117  |          |          | $\vdash$ | $\vdash$ |          |              |   |          | $\dashv$ |  |  |
|       | 117<br>118   |          |          |          |          | H        |              |   |          | H        |  |  |
|       | 119  |          |          |          |          | $\vdash$ |              |   |          | H        |  |  |
|       | 120  |          |          |          |          |          |              |   |          |          |  |  |
|       | 121  |          |          |          |          |          |              |   |          |          |  |  |
|       | 122  |          |          |          |          |          |              |   |          |          |  |  |
|       | 123  |          |          |          |          | <u> </u> | _            |   |          | Ш        |  |  |
|       | 124  |          |          | <u> </u> |          | -        |              |   |          |          |  |  |
|       | 125  | -        |          | ┝        |          | ┢        |              |   |          | Н        |  |  |
|       | 127  |          | <u> </u> | $\vdash$ |          | $\vdash$ |              |   | H        | Н        |  |  |
|       | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128 |          |          |          |          |          |              |   |          | Н        |  |  |
|       | 129  |          |          |          |          |          |              |   |          |          |  |  |
|       | 129<br>130<br>131<br>132   |          |          |          |          |          |              |   |          |          |  |  |
|       | 131  |          |          |          |          |          |              |   |          |          |  |  |
|       | 132  |          |          | <u> </u> |          |          |              |   | _        | Ш        |  |  |
|       | 133<br>134   |          | -        | ļ        | _        | <u> </u> |              | _ | L        |          |  |  |
|       | 135  | -        |          | <u> </u> |          | <u> </u> |              | _ |          | Н        |  |  |
|       | 136  |          |          | <u> </u> | H        |          |              | _ |          | $\vdash$ |  |  |
|       | 137  |          | _        | $\vdash$ |          |          |              | _ | $\vdash$ | Н        |  |  |
|       | 138<br>139   |          |          |          |          |          |              |   |          |          |  |  |
|       | 139  |          |          |          |          |          |              |   |          |          |  |  |
|       | 140  |          |          |          |          |          |              |   |          | Ш        |  |  |
|       | 141  |          | _        |          |          | $\vdash$ |              |   | _        | Щ        |  |  |
|       | 142  |          | _        | <u> </u> | <u> </u> |          | $\vdash$     | _ | <u> </u> | Н        |  |  |
|       | 143<br>144   | $\vdash$ | -        | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$     | _ | $\vdash$ | $\vdash$ |  |  |
|       | 144  | -        | $\vdash$ | ļ        |          | -        | H            | - |          | H        |  |  |
|       | 146  | $\vdash$ | $\vdash$ | $\vdash$ | _        | $\vdash$ | <del> </del> | - | Ι-       | H        |  |  |
|       | 147  | Г        | H        | Т        |          | ┪        | Т            | Г | _        | H        |  |  |
|       | 148  |          |          |          |          |          |              |   |          |          |  |  |
|       | 149  |          |          |          |          |          |              |   |          |          |  |  |
|       | 150  |          |          |          |          |          |              |   |          |          |  |  |
|       |  |          |          |          |          |          |              |   |          |          |  |  |